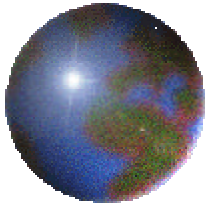
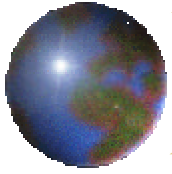




# *DLESE: Digital Library for Earth System Education*



*David Fulker, NSDL Core Integration*  
*Karon Kelly, DLESE Program Center*  
*Mary Marlino, DLESE Program Center*  
*Tamara Sumner, University of Colorado*  
*Mike Wright, DLESE Program Center*



# *Community Support for a Community-Articulated Need*

## ✚ Confluence of initiatives and funding

✚ Geo Ed

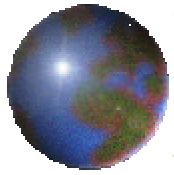
✚ EHR

✚ DLI

✚ NSDL

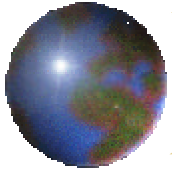
✚ NASA





## *The DLESE Vision: More than a portal*

- ✚ Supports all aspects of ESS in formal and informal educational settings
- ✚ Collections of high quality teaching and learning resources
- ✚ Interfaces and tools to allow exploration of Earth data sets
- ✚ Services to help users effectively create and use materials



# *Library Building Strategy*

- ⊗ Community governance and ownership
  - ⊠ Distributed and representative management
  - ⊠ Steering Committee, Standing Committees (Users, Services, Collections, Technology)
- ⊗ Distributed building process
  - ⊠ Core Services supported by Community Solicitation
    - Collections, Data, Evaluation, Community Development
  - ⊠ DLESE Program Center
    - Infrastructure development (OAI, ADN, Discovery, DCS)
    - Program continuity
    - Integration services
- ⊗ Users as contributors
  - ⊠ Community-developed collections, services, and technology

**DLESE**

Digital Library for  
Earth System  
Education

Email Links

Express Links

[Site Map](#) [Find a Resource](#) [FAQ](#) [HOME](#)

- About DLESE
- News & opportunities
- Library development
- Ways to contribute
- Find a resource
- Contribute a resource
- Find/join a group
- Cross-cutting issues
- Give us your feedback
- Documents about DLESE

#### DLESE Annual Meeting

☐ Include email discussions

Search this site

#### Site map

[Help](#)  
[FAQ](#)  
[HOME](#)

DLESE is a prototype project.  
The site may go down for  
scheduled maintenance  
on Thursdays at 10:00AM MDT,  
or at unexpected times.

[Terms of Use](#)  
[support@dlese.org](mailto:support@dlese.org)



### Find a resource

lava

Begin search

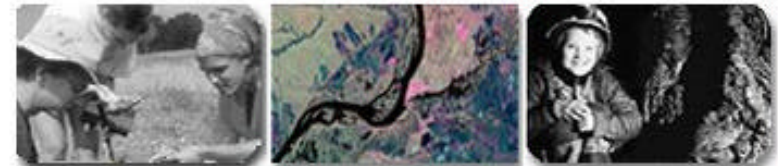
[Search tips](#)

Browse library

Power search

Select grade level(s)

- |   |  |
|---|--|
| <input type="checkbox"/> Primary (K-2)      | <input type="checkbox"/> College (13-14) |
| <input type="checkbox"/> Intermediate (3-5) | <input type="checkbox"/> College (15-16) |
| <input type="checkbox"/> Middle (6-8)       | <input type="checkbox"/> Graduate /      |
| <input type="checkbox"/> High (9-12)        | Professional                             |
| <input type="checkbox"/> Informal           | <input type="checkbox"/> General public  |



### Breaking news

- [Call for 2002 DLESE Annual Meeting Host](#)  
Response needed by November 14!

### Resource of Interest

[Suggest an interesting Earth system site](#)  
[View other interesting sites](#)



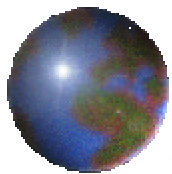
[The Virtual Geosciences Professor](#)

This [website](#) hosts a searchable database of over 4,750 geoscience course resources available on the Internet and is the creation of the late Dr. John Butler.

Explore its *Geophysics* link to find geophysical data, geoscience career and student support information, and reference materials for geophysics. ([more...](#))

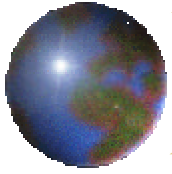
www.dlese.org





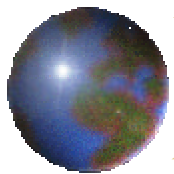
**DLESE**  
Geoscience  
Digital  
Library

<b>Technical Library System</b>	<b>Participation in Social Library Processes</b>
Use sessions since August 2001: 56,964	First Annual Meeting (07/00): 120 people
Resources accessioned to date: 2100	Second Annual Meeting (08/01): 160 people
Collections being developed by community: >25	Third Annual Meeting (06/02): 200 people
Requests to integrate with DLESE infrastructure: 7	Working Group participants: 786 people
Metadata and OAI Training Workshops: 125	Governance developed policies for IP, Privacy, Collections
Formative evaluation participants: 117	Federated Partners: 27 institutions and projects
Participatory Design workshops: 135 people	Community-contributed scenarios / use cases: >100

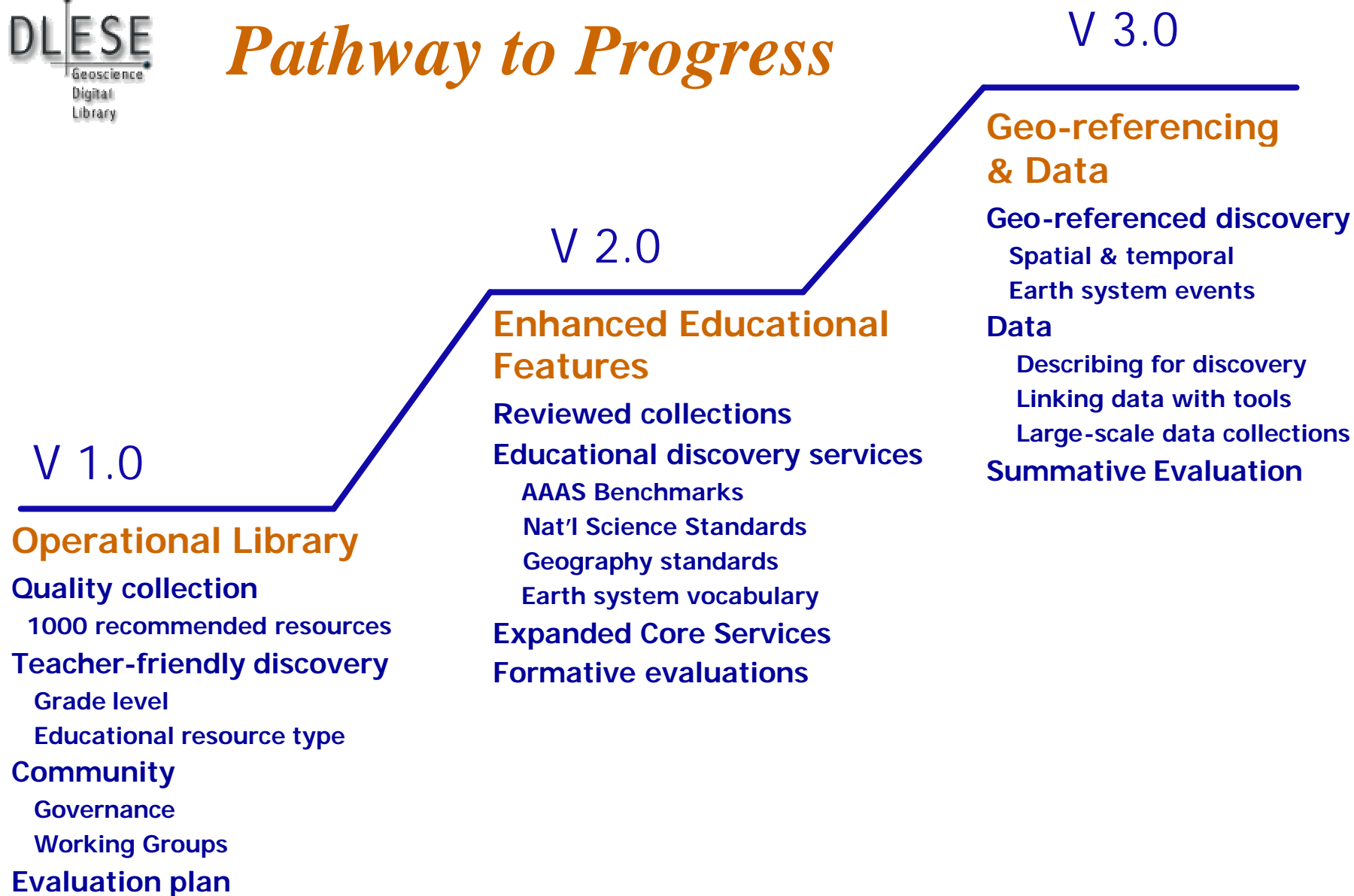


## *DLESE Strategic Plan*

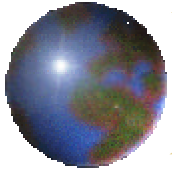
- ✿ Developed by Steering Community with broad community input
- ✿ Outlines core activities, role of DLESE Program Center, community
- ✿ Articulates relationship to NSDL
- ✿ Provides benchmarks for technology development (Versions 1-3)



# *Pathway to Progress*

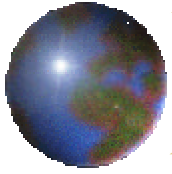






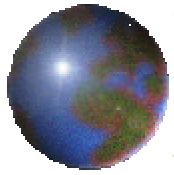
## *A Geoscience Node in NSDL*

- DLESE contributes to NSDL
  - Members participate in governance, technology development, metadata, evaluation activities, etc.
- DLESE community members receive support from NSDL and DLI for collections and services
  - Geo-referencing and gazetteers (UCSB)
  - Peer reviewing services (Columbia, USRA)
  - Persistence (UCSD)
  - Thematic Data Sets (Unidata)
  - Encyclopedia of Earthquakes (SCEC)
  - Digital Water Education Library for K-12 (DWEL)



## *New NSDL partnerships and services*

- ✿ Collaborating on benchmarks and standards-based searching with AAAS and Eisenhower National Clearinghouse
- ✿ Developing exportable Stand Map Service to all STEM disciplines through NSDL (with University of Colorado, AAAS, UCSB)
- ✿ AAAS extends DLESE reach through existing professional development activities



DLESE  
Geoscience  
Digital  
Library

[www.dlese.org](http://www.dlese.org)